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January 10, 1992

J. C. Langford 2202 Frankfurt Richland, Washington 99352

Re: Comment Response on the "Expedited Response Action Proposal for 200 West Area Carbon Tetrachloride Plume"

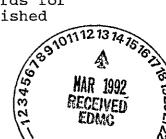
Dear Mr. Langford:

Thank you for taking the time and effort to review and comment on the 200 West Area Carbon Tetrachloride Plume Expedited Response Action Proposal. Your primary comments appear to question the format of the proposal, the need to take a cleanup action for carbon tetrachloride, and the potential application of residential cleanup standards to the 200 West Area. I realize you have many other specific comments, but these comments do not appear to influence the approach or implementation of the carbon tetrachloride cleanup action.

Your comment about document format questions the content and scope of the proposal. The proposal submitted to public comment is in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980 as amended and with 40 CFR 300, Subpart E.

Another of your primary comments addresses the need to take the proposed cleanup action. One reason for proceeding with this action is to reduce the existing and potential exposure of well drillers and other field sampling personnel to carbon tetrachloride vapors. Currently, workers drilling and sampling in these areas are required to wear supplied air systems to limit exposure to these vapors. With additional characterization and cleanup efforts to be initiated soon in the 200 West Area, reducing the exposure of the workers is very desirable. Secondly, this action is expected to limit the future spread of groundwater contamination by limiting the migration of carbon tetrachloride vapors. The amount of carbon tetrachloride disposed to these three sites has the potential to impact the water quality of the entire unconfined aquifer which is a permitted resource of the State of Washington.

In regards to your concerns over the application of residential cleanup standards to the 200 West Area, these concerns are inaccurate. This action is not taken for the purpose of achieving final cleanup standards. This action is taken for the purpose of mass reduction. Cleanup standards for carbon tetrachloride in the 200 West Area will be established



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only after a final Record of Decision (ROD) is written for the involved operable units. These cleanup levels will be based on the projected future use of the site and the cost effectiveness of potential remedial alternatives. One thing is certain, and that is, cleanup of carbon tetrachloride vapors in soil is much more cost effective than cleanup of contaminated groundwater.

Thank you again for your comments and involvement in the Hanford cleanup process.

Sincerely,

Douglas R. Sherwood Environmental Engineer

cc: Administrative Record (200 Area Carbon Tetrachloride)

Comments "Public" "1 of t DOE/RL-91-32 Drugt 13 J.C. Longford 2202 Frankfurt Expedited Response Action Proposal Richland, Wa (EE/CAGEA) for 200 W. Area Carbon Tetrachlarido Plune 1 Where is the Summary statement? The NIH (& understand) was recently sued for failing to provide a summary statement of conclusions - I think you may also have a political problem here. It is very poor (unsatisfactory) swang to concert information from the gublic by making them read this entire article to drow due 2 - how do you define unsaturated soils? Is this "normal soil? under 1.3 ERA Bachground The EPA has deliberately defined continued a cevels at health standards levels like in cities. Is it cost effective to require such stringency for isolated areas (other thin for political jurgoses)? I hope to see some common sense applied to non-habited areas My data; for example, has Colefornica regulating citions at below natural levels, p8 under 2.4 Extent of Continuentin line 4 The convented wellad of expressing parts per million is PPM, not p/m, you dro give only mex values (not the more asoful average concentrations). Detection is now so low as to be meaningless as far as heath hazard . . . Ocst paragraph, and line The. 7,340 parts per billion is egul to 7,34 parts per million, you are vering big number to be impressing, I think, p & - under 2,5 since you are using conceptual models, I assume you don't really know much about the continuention. The state of the s lariford Project Office or is this unacceptible? Why the immediacy in a monneed? Environmental Protection Agency (oner)

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DOE/RL-91-32

		under 5.0 - you have decady admitted there is no health hisyoul
	· · · - ·	so the only cuteric is the synthetically generated complained
		regulations. For the real requirements - see the last sentence
* *		on the page, i.e. Best Amarlable control technology is really breed
,		on opinion and yero levels which arem't reasonable. Needs an
, s , s 's, s,		individual educated in common sense.
process of		
ista d	.0.2	5 Toble 7 "Town 2 Presidentian sels nadiation exposure at 1000 th
_	ip3	5 Table 7 item 2 Regulation sets radiation exposure at 1000 the of yearly natural exposure (much less their an airplane ride to Denver),
		Λ · · · · · · · · · · · · · · · · · · ·
T		Purposely set excessively low,
1/2		who the table really demonstrates is extreme overlaps of
		government regulations w/o consistency or simplicity.
(ρ3.\ε	Same Table 8 as for Table 7
8+3.4 , ,	· β3 /	Third paragical - Detection capability - use of 6 chromotograph
<u>-۵</u>		shows implied need to find at very many factors of 10 below.
- KTTP1		human he let hongard and excessive control.
(N	// A = Ab = Ad ==== (8.87)	Last paragraph suggest possible aux (in removing natural
	MATERIA MATERIA MATERIA DE LA CONTRA	radon) is more dangerous than the treatment, although I see
S	T FATOR 100 100 100 1 1 1 1 1 1 1 1 1 1 1 1 1	no real hay and. Are we seeking a come or wenting to
	overtal i	- perform a text?
	p38	p39 I can't see how you arrive at too high contron teleschlaid
· - -		vapore in the air assuming that it is underground. Obviously
		you have not supporting, measure of date for this, It must
i viljet	ale allere arrange e a regularista array (1977). E	be generated via the SCREEN model, the public will be
· · ·		confused by your assuming vapor concentrations in the air
· -	(due solely to operation of the clean up system.
, -	P 43	paragraph two says that the above concentrations were calculated,
_	· · · · · · · · · · · · · · · · · · ·	not measured. Soo also 1 pt parguagh - p 47 - no hogard.
- -	- P 15-1	13 Carlon tetrachlorede vapous at best appear to be 5-15 PPM
(1944) 14 - 1944) 14 - 1944)	<u> </u>	and on p 13-45 appear to be emitted only at low barometric
	P 18 15-1544 8 (48) 4	pressure (i.e. under stormy conditions), Per page 13-51 soil conbon + tracklouide concentrations are most not detected.
	. 1514a 41 E	carbon + trackloude concentrations are most not detected.

p. ofter A-8 The Site Evelution report of U. J. Rohmy & V. G. Johnson; Georgiances Group, W. HC. appears to honest and non-political. the rest of this Action Disposed is supporting data. The deal justification for Joing the work appears to me to be to see if it can be done - not for hearth hayard nor should it really be justified through excessively designed regulatory requirements. The resal summary should be put up fromt in plain English and not be based on conservation carbon tetrachloride levels, There is enough of ata to present reasonable averages that describe the real situation.

CORRESPONDENCE DISTRIBUTION COVERSHEET

Author

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Addressee

Correspondence No.

D. R. Sherwood, EPA

J. C. Langford

Incoming 9201732

subject: COMMENT RESPONSE ON THE "EXPEDITED RESPONSE ACTION PROPOSAL FOR 200 WEST AREA CARBON TETRACHLORIDE PLUME"

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Xref: 9158301D, dated November 5, 1991 17185 9105639, dated November 12, 1991 17575 1dp, 6-7049